

PLUS END-DIRECTED MICROTUBULE MOTOR REQUIRED FOR
CHROMOSOME CONGRESSION

ABSTRACT OF THE DISCLOSURE

The invention provides isolated nucleic acid and amino acid sequences of *Xenopus* CENP-E (XCENP-E), antibodies to XCENP-E, methods of screening for CENP-E modulators using biologically active CENP-E, and kits for screening for CENP-E modulators.